

1634
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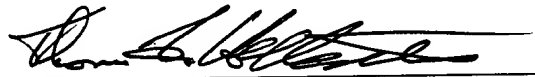
PATENT
Attorney Docket No. EXT-036

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Shuber
SERIAL NO.: 09/514,865 GROUP NO.: 1634
FILING DATE: February 28, 2000 EXAMINER: S. Sakelaris
TITLE: Methods for Disease Detection

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 11th day of June, 2003.


Thomas F. Hellenthal

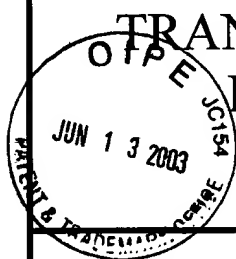
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is/are:

1. Transmittal Form (1 page);
2. Fee Transmittal (1 page);
3. Check in the amount of \$180.00;
4. Supplemental Information Disclosure Statement (2 pages);
5. Form PTO-1449 (1 page);
6. Copies of References A113-A117, C175-C177;
7. Associate Power of Attorney (1 page);
8. Return receipt postcard.

2638677



TRANSMITTAL FORM

Application Serial Number	09/514,865
Filing Date	February 28, 2000
First Named Inventor	Shuber
Group Art Unit	1634
Examiner Name	S. Sakelaris
Attorney Docket No.	EXT-036
Patent No.	Not applicable
Issue Date	Not applicable

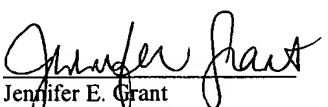
ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Supplemental Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations A113-A117, C175-C177 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553) <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input type="checkbox"/> Additional Enclosure(s) (please identify below)
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CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

Jennifer E. Grant
Attorney for Applicant
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110

Date: June 11, 2003
Reg. No. 51,752
Tel. No.: (617) 310-8423
Fax No.: (617) 248-7100



FEE TRANSMITTAL
FY 2003

Complete if Known

Application Serial Number	09/514,865
Filing Date	February 28, 2000
First Named Inventor	Shuber
Group Art Unit	1634
Examiner Name	S. Sakelaris
Attorney Docket No.	EXT-036

METHOD OF PAYMENT

1. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other
2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.
☐ Required Fees (copy of this sheet enclosed).
☒ Additional fee required under 37 CFR 1.16 and 1.17.
☒ Overpayment Credit.
3. ☐ Applicant claims small entity status.

FEE CALCULATION

1. FILING FEE

Large Entity

Fee (\$)	Fee Description	Fee Paid
740	Utility filing fee	
330	Design filing fee	
160	Provisional filing fee	

Number Filed	Number Extra	Rate	Amount
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Total Claims - 20 = x \$ 18.00 =

Independent Claims - 3 = x \$ 84.00 =

☐ Multiple Dependent Claim(s), if any \$280.00 =

TOTAL:

SMALL ENTITY DISCOUNT:

SUBTOTAL (1) (\$) 0

2. AMENDMENT CLAIM FEES

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
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Total - = x \$ 18.00 =

Indep. - = x \$ 84.00 =

☐ First Presentation of Multiple Dep. Claim + \$280.00 =

TOTAL: (\$)

SMALL ENTITY DISCOUNT: (\$)

SUBTOTAL (2) (\$0)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
110	55	Extension for reply within first month	
400	200	Extension for reply within second month	
920	460	Extension for reply within third month	
1440	720	Extension for reply within fourth month	
1960	980	Extension for reply within fifth month	
320	160	Notice of Appeal	
320	160	Filing a brief in support of an appeal	
280	140	Request for oral hearing	
130	130	Petitions to the Commissioner	
180	180	Submission of Information Disclosure Statement	180.00
740	370	Filing a submission after final rejection (37 CFR 1.129(a))	
740	370	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	

Other fee (Specify)

Other fee (Specify)

SUBTOTAL (3) (\$) 180.00

SUBTOTAL (1)

SUBTOTAL (2)

SUBTOTAL (3) 180.00

TOTAL (\$) 180.00

CORRESPONDENCE ADDRESS

Direct all correspondence to:

Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower-125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

Date: June 11, 2003
Reg. No.: 51,752
Tel. No.: (617) 310-8423
Fax No.: (617) 248-7100

Jennifer E. Grant
Attorney for the Applicant
Testa, Hurwitz & Thibault, LLP
High Street Tower-125 High Street
Boston, MA 02110



PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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FILING DATE: February 28, 2000 EXAMINER: S. Sakelaris
TITLE: Methods for Disease Detection

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☐ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☒ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**

06/13/2003 SSESHE1 00000152 09514865 160.00 00
01 FC:1806

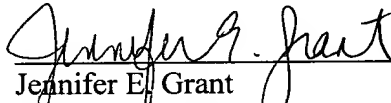
- ☒ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein,
or
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the
payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included
herein.

It is respectfully requested that each of the patents and publications listed on the attached
Form PTO-1449, and other information contained herein, be made of record in this application.

Respectfully submitted,

Date: June 11, 2003
Reg. No. 51,752

Tel. No.: (617) 310-8423
Fax No.: (617) 248-7100


Jennifer E. Grant
Attorney for Applicant
Testa, Hurwitz, & Thibault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110



FORM PTO - 1449				ATTORNEY DOCKET NO.: EXT-036					
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				APPLICANT(S): Shuber					
				SERIAL NO.: 09/514,865					
				FILING DATE: February 28, 2000 GROUP: 1634					
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
	A113	6,551,777	4/22/03	Shuber <i>et al.</i>			1/24/00		
	A114	6,498,012	12/24/02	Laken			6/18/01		
	A115	2003/0087258A1	5/8/03	Shuber			4/11/02		
	A116	2003/0044780A1	3/6/03	Lapidus <i>et al.</i>			11/23/99		
	A117	2003/0049659A1	3/13/03	Lapidus <i>et al.</i>			5/29/02		
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C175	Ahlquist <i>et al.</i> , "Colorectal Cancer Screening by Detection of Altered Human DNA in Stool: Feasibility Multitarget Assay Panel," Presented at Digestive Disease Week Annual Conference, Orlando, FL, May 19, 1999 (<i>Gastroenterology</i> , 119, pp. 1219-1227 (2000)).							
	C176	Ahlquist <i>et al.</i> , "Universal Detection of Aerodigestive Cancers by Assay of Nonapoptotic Human DNA in Stool," Presented at Digestive Disease Week Annual Conference, San Diego, CA, May 2000.							
	C177	Makristathis <i>et al.</i> , "Detection of Helicobacter pylori in Stool Specimens by PCR and Antigen Enzyme Immunoassay," <i>Journal of Clinical Microbiology</i> , Vol. 36, No. 9, pp. 2772-2774, September 1998.							
EXAMINER					DATE CONSIDERED				